

DOCUMENT RESUME

ED 037 557

VT 010 315

TITLE Development and Structure of Industry: Instructional Aids List and Bibliography.

INSTITUTION Wisconsin State Univ., Platteville. Coll. of Industry.

PUB DATE [69]

NOTE 53p.

AVAILABLE FROM Industriology Project, Department of Industrial Education, College of Industry, Wisconsin State University, Platteville, Wisconsin 53818

EDRS PRICE EDRS Price MF-\$0.25 HC-\$2.75

DESCRIPTORS *Bibliographies, Classroom Materials, Filmstrips, *Industrial Arts, *Instructional Aids, Instructional Films, Instructional Materials, Reference Materials, *Resource Materials, *Secondary Education, Video Tape Recordings

IDENTIFIERS *Industriology Project

ABSTRACT

This booklet is the last in a series of four instructional aids designed to implement the first phase of the industriology concept. This listing, intended to serve as a nucleus of resource materials, has been grouped into the following four sections: (1) Index to Numbered Instructional Media Sources, (2) Titles of Information, Job, and Activity Plan Sheets, (3) Instructional Media Other than Books, and (4) Bibliography. Other documents in this series are available as VT 010 290, VT 010 313, and VT 020 314. (GR)

INDUSTRIAL

ADDITIONAL

ED037557

INDUSTRIOLOGY

DEVELOPMENT
AND
STRUCTURE
OF
INDUSTRY

VT010315

WISCONSIN STATE UNIVERSITY-PLATTEVILLE

ED037557

DEVELOPMENT AND STRUCTURE
OF
INDUSTRY

INSTRUCTIONAL AIDS LIST
AND
BIBLIOGRAPHY

INDUSTRIOLOGY PROJECT

*Subject To Further
Research and Revision*

COLLEGE OF INDUSTRY
WISCONSIN STATE UNIVERSITY-PLATTEVILLE
U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE
PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS
STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION
POSITION OR POLICY.

INSTRUCTIONAL AIDS LIST AND BIBLIOGRAPHY

This booklet contains a listing of instructional materials other than the Study Guide and Teaching Plan which support Development and Structure of Industry, the first phase of The INDUSTRIOLOGY concept.

It should be recognized that this listing of instructional aids is by no means an exhaustive or complete list of media. To attempt to list every item made available for teachers by industries and organizations would be next to impossible; however, the list of educational media in this book is broad enough in scope to enable the instructor to adequately teach Development and Structure of Industry. It is hoped that this list will serve as a nucleus of resource materials upon which the innovative instructor may enlarge his use of the wealth of educational media made available to educators.

When sending for any instructional aids, whether they are free, on loan, or otherwise, it is suggested that requests for such materials be sent on school letterhead stationery. Responses from most sources are much more fruitful when this procedure is followed.

The listing of instructional materials in this booklet has been grouped into the following four sections for convenience in using.

Section I	Index to Numbered Instructional Media (IM) Sources
Section II	Titles of Information, Job, and Activity Plan Sheets
Section III	Instructional Media Other than Books
Section IV	Bibliography

SECTION I

INDEX TO NUMBERED INSTRUCTIONAL MEDIA (IM) SOURCES

The sources from which any instructional materials may be procured are referred to as instructional media sources (IM). As an example, the following is taken from the Teaching Plan to illustrate the use of the IM letters and numbering system:

Show Chart #4 How Steel is Made, IM-34. The source (IM-34) of this chart is:

Educational Services, United States Steel, 71
Broadway, Room 1800, New York, New York 10006

<u>IM NUMBER</u>	<u>ADDRESS</u>
IM-1	National Association of Manufacturers 277 Park Avenue New York, New York 10017
IM-2	Modern Talking Pictures Service 1212 Avenue of the Americas New York, New York 10036
IM-3	Bureau of Audio-Visual Instruction P. O. Box 2093 1312 W. Johnson Street Madison, Wisconsin 53701
IM-4	General Motors Corporation Public Relations Staff-Film Library General Motors Building Detroit, Michigan 48202
IM-5	Visual Instruction Service Iowa State University Ames, Iowa 50010
IM-6	General Motors Corporation Euclid Division Personnel Dept. Hudson, Ohio 44236

IM NUMBERADDRESS

IM-7	Educator's Progress Service Randolph, Wisconsin 53212
IM-8	Audio-Visual Center University of Idaho Moscow, Idaho 83843
IM-9	Shell Oil Company Film Library 450 N. Meridian Street Indianapolis, Indiana 46204
IM-10	Educational Motion Pictures Audio-Visual Center Indiana University Bloomington, Indiana 47410
IM-11	Educational Service Bureau American Gas Association Film Service 605 Third Avenue New York, New York 10016
IM-12	Mr. Matthew S. Mendia First Secretary 2401 Massachusetts Avenue, N.W. Washington, D. C. 20008
IM-13	Sikorsky Aircraft Division of United Aircraft Corp. Public Relations Dept. Stratford, Connecticut 06497
IM-14	A. P. Parts Corporation Public Relations Manager 1801 Spielbusch Avenue Toledo, Ohio 43601
IM-15	Aetna Life Affiliated Company Information and Education Dept. 151 Farmington Avenue Hartford, Connecticut 06115

IM NUMBER**ADDRESS****IM-16**

Alcoa Aluminum
Motion Picture Section
794 Alcoa Building
Pittsburg, Pennsylvania 15219

IM-17

The Milwaukee Journal
Public Service Bureau
Milwaukee, Wisconsin 53201

IM-18

Hardboard Plywood Manufacturing
Association
P. O. Box 6246
Arlington, Virginia 22206

IM-19

Princeton TV Center, Inc.
Distribution Dept.
Princeton, New York 08540

IM-20

Keystone Steel and Wire
113 N. Madison Avenue
Peoria, Illinois 61602

IM-21

Bureau of Mines
U. S. Department of Interior
Graphic Service
4800 Forbes Avenue
Pittsburg, Pennsylvania 15213

IM-22

Midland Cooperatives, Inc.
Attention: Library
739 Johnson Street, Northeast
Minneapolis, Minnesota 55413

IM-23

Visual Aids Service
University of Illinois
Champaign, Illinois 61820

IM-24

Port of New York Authority
Port Commerce Division
Room 1548, 111 8th Avenue
New York 11, New York

IM NUMBERADDRESS

IM-25	Bureau of Commercial Fisheries 1815 North Fort Myer Drive Room 601 Arlington, Virginia 22209
IM-26	Educational Affairs Dept. Ford Motor Company The American Road Dearborn, Michigan 48121
IM-27	M. A. Hutcheson 222 E. Michigan Street Indianapolis, Indiana 46204
IM-28	Linen Supply Association P. O. Box 2477 Miami Beach, Florida 33140
IM-29	Dept. of Industrial Education College of Industry Wisconsin State University-Platteville Platteville, Wisconsin 53818
IM-30	Instructional Aids Center-Karrmann Library Wisconsin State University- Platteville Platteville, Wisconsin 53818
IM-31	Briggs and Stratton Corporation Milwaukee, Wisconsin 53201
IM-32	American Textile Manufacturers Institute, Inc. 1501 Johnston Building Charlotte, North Carolina 28202
IM-33	Do All Company 254 N. Laurel Avenue Des Plaines, Illinois 60016
IM-34	Educational Services United States Steel 71 Broadway - Room 1800 New York, New York 10006

IM NUMBER**ADDRESS**

IM-35	Public Relations Department Nekoosa-Edwards Paper Company Port Edwards, Wisconsin 54469
IM-36	American Iron and Steel Institute 150 East 42nd Street New York, New York 10017
IM-37	Wisconsin Petroleum Council Room 703, 25 West Main Street Madison, Wisconsin 53703
IM-38	Wisconsin Paper Industry 104 N. Commercial Street Neenah, Wisconsin 54956
IM-39	U. S. Department of Labor Washington, D. C. 20210
IM-40	Anaconda Company 25 Broadway New York, New York 10004
IM-41	Leather Industries of America 411 5th Avenue New York, New York 10016
IM-42	Manufacturing Chemist Association, Inc. 1825 Connecticut Ave., N. W. Washington, D. C. 20009
IM-43	Automobile Manufacturers Assn. 320 New Center Building Detroit, Michigan 48202
IM-44	American Petroleum Institute 1271 Ave. of the Americas New York, New York 10010
IM-45	Association of American Railroads Washington, D. C. 20006

IM NUMBER

ADDRESS

IM-46	American Trucking Assn., Inc. 1616 P Street, N. W. Washington, D. C. 20036
IM-47	U. S. Department of Commerce Maritime Administration Washington, D. C. 20235
IM-48	Whitman Publishing Company Racine, Wisconsin 53401 (or local store)
IM-49	Public Relations Department The Firestone Tire & Rubber Co. Akron, Ohio 44317
IM-50	United States Rubber Company Education Section Public Relations Department 1230 Avenue of the Americas New York, New York 10020
IM-51	Natural Rubber Bureau 1108 16th Street N.W. Washington, D. C. 20036
IM-52	B. F. Goodrich Company 500 South Main Street Akron, Ohio 44318
IM-53	New England Tanners Club P. O. Box 371 Peabody, Massachusetts 01961
IM-54	Public Affairs, Educational Programs Division Publications Distribution National Aeronautics and Space Administration Washington, D. C. 20546
IM-55	Aerospace Corporation P. O. Box 95085 Los Angeles, California 90045

IM NUMBERADDRESS

IM-56	Air Transport Assn. of America 1000 Connecticut Avenue, N. W. Washington, D. C. 20036
IM-57	The Aluminum Association 420 Lexington Avenue New York, New York 10017
IM-58	American Telephone and Telegraph Co. 195 Broadway New York, New York 10006
IM-59	Edison Electric Institute 750 Third Avenue New York, New York 10017
IM-60	National Paint, Varnish and Lacquer Association, Inc. 1500 Rhode Island Ave., N.W. Washington, D. C. 20005
IM-61	United Fresh Fruit & Vegetable Assn. 777 14th Street, N. W. Washington, D. C. 20005
IM-62	International Association of Ice Cream Manufacturers 1105 Barr Building Washington, D. C. 20006
IM-63	Milk Industry Foundation 1105 Barr Building Washington, D. C. 20006
IM-64	Cereal Institute Incorporated 135 South LaSalle Street Chicago, Illinois 60603
IM-65	Switzerland Cheese Assn., Inc. 444 Madison Avenue New York, New York 10022
IM-66	National Soft Drink Assn. 1128 16th Street, N. W. Washington, D. C. 20036

IM NUMBERADDRESS

IM-67	Corn Industries Research Foundation Incorporated 1001 Connecticut Avenue, N.W. Washington, D. C. 20036
IM-68	American Meat Institute 59 East Van Buren Street Chicago, Illinois 60605
IM-69	National Canner's Association 1133 20th Street, N. W. Washington, D. C. 20036
IM-70	Salt Institute 206 North Washington Street Alexandria, Virginia 22314
IM-71	Rice Council 3917 Richmond Avenue Houston, Texas 77027
IM-72	Wheat Flour Institute 14 East Jackson Blvd. Chicago, Illinois 60604
IM-73	Barre Granite Association Box 481 Barre, Vermont 05641
IM-74	American Hardboard Association 20 N. Wacker Drive Chicago, Illinois 60606
IM-75	National Dairy Council 111 North Canal Street Chicago, Illinois 60606
IM-76	Hawk Model Company 4600 N. Olcott Chicago, Illinois 60656
IM-77	United States Steel 71 Broadway New York, New York 10006

IM NUMBER**ADDRESS**

IM-78	Education Division National Coal Association 1130 17th St., N.W. Washington, D. C. 20036
IM-79	Permalite Plastics Corporation 608 Terminal Way Costa Mesa, California 92627
IM-80	Society of the Plastics Industry, Inc. 250 Park Avenue New York, New York 10017
IM-81	Centuri Engineering Inc. Model Rockets Products Division P. O. Box 1988 3053 W. Fairmont Phoenix, Arizona 85001
IM-82	American Statistical Association Room 703, 810 18th St., N.W. Washington, D. C. 20006
IM-83	Southbend Lathe 400 West Sample Street South Bend, Indiana 46623
IM-84	The American Waterways Operators Inc. 1250 Connecticut Ave., Suite 502 Washington, D. C. 20036
IM-85	Fendall Company 2222 Diversey Parkway Chicago, Illinois 60647
IM-86	National Safety Council 425 North Michigan Avenue Chicago, Illinois 60611
IM-87	American Apparel Manufacturers Association, Inc. 2000 K Street, N. W. Washington, D. C. 20006

IM NUMBERADDRESS

IM-88	National Cotton Council of America P. O. Box 12285 Memphis, Tennessee 38112
IM-89	National Machine Tool Builders Assn. 2139 Wisconsin Ave., N. W. Washington, D. C. 20007
IM-90	American Economic Foundation 51 East 42nd Street New York, New York 10017
IM-91	Hardware & Industrial Products Div. H. K. Porter Company, Inc. Porter Building Pittsburg, Pennsylvania 15219
IM-92	National Forest Products Assn. Technical Services Division 1619 Massachusetts Ave., N.W. Washington, D. C. 20036
IM-93	Fine Hardwoods Association 666 Lake Shore Drive Chicago, Illinois 60611
IM-94	Forest Products Laboratories U. S. Dept. of Agriculture Forest Service Madison, Wisconsin 53701
IM-95	Portland Cement Association 735 North Water Street Milwaukee, Wisconsin 53702
IM-96	Kohler of Kohler Kohler, Wisconsin 53044
IM-97	American Paper Institute 260 Madison Avenue New York, New York 10016
IM-98	Millikens Publishing Company 611 Olive Street St. Louis, Missouri 63101

IM NUMBER

ADDRESS

IM-99	American Institute of Baking 400 East Ontario Street Chicago, Illinois 60611
IM-100	International Association of Ice Cream Manufacturers 1105 Barr Building Washington, D. C. 10006
IM-101	American Forest Products Industries, Inc. 1835 K Street, N.W. Washington, D. C. 20006
IM-102	National Council for Stream Improvement 271 Madison Avenue New York, New York 10016
IM-103	American Technical Society 848 East 58th Chicago, Illinois 60637
IM-104	Nasco Fort Atkinson, Wisconsin 53538 or Nasco Modesto, California 95353
IM-105	Society for Visual Education, Inc. 1345 Diversey Parkway Chicago, Illinois 60614
IM-106	Humble Oil and Refining Company Headquarters Film Library P. O. Box 2180 Houston, Texas 77001
IM-107	Wycoff Steel Company General Offices, Gateway Center P. O. Box 1256 Pittsburgh, Pennsylvania ---30
IM-108	United Air Lines School and College Department P. O. Box 66141 Chicago, Illinois 60666

IM NUMBERADDRESS

IM-109	American Trucking Association, Inc. 1616 P Street, N. W. Washington, D. C. 20036
IM-110	Renwal Products, Inc. Mineola, New York
IM-111	Lockheed-Georgia Company Motion Picture Film Library Zore 30, B-2 Bldg. Marietta, Georgia 30061
IM-112	Gerald Munyon Instructor of Industrial Arts McFarland High School McFarland, Wisconsin
IM-113	Jam Handy Organization 2821 East Grant Blvd. Detroit, Michigan 48211
IM-114	Walt Disney 16 mm Films 350 S. Buena Vista Street Burbank, California 91503
IM-115	Public Relations Dept. American Airlines 633 Third Avenue New York, New York 10017
IM-116	Wisconsin Telephone Company Free Film Library 722 North Broadway Milwaukee, Wisconsin 53202
IM-117	United States Plywood Corp. Attention - Sales Promotion Dept. 777 Third Avenue New York, New York 10017
IM-118	Procter and Gamble Company P. O. Box 599 Cincinnati, Ohio 45201

SECTION II

TITLES OF INSTRUCTION SHEETS

The following is a ready reference index to titles of instruction sheets provided for teaching Development and Structure of Industry - the first phase of **INDUSTRIOLOGY**. The titles of the instruction sheets are grouped under three categories: Information Sheets, Job Sheets, and teachers Activity Plan sheets.

INFORMATION SHEETS

- 1-1 TERMS USED IN INDUSTRY
- 1-2 JOB DESCRIPTIONS USED IN INDUSTRY
- 2-1 CLASSIFICATIONS OF RAW MATERIALS
- 2-2 THE MOISTURE IN LUMBER
- 2-5 BY-PRODUCTS OF TREES
- 2-6 THE PAPER INDUSTRY
- 2-7 CHEMICAL COAGULATION
- 2-8 CASTING METALS
- 2-9 MINING METHODS
- 2-10 ORE SEPARATION BY FLOTATION
- 2-11 DESALINATION OF WATER
- 3-1 HISTORY OF MANUFACTURING
- 3-2 LOCATION OF MANUFACTURING
- 3-3 SPARK TESTING MANUFACTURED METALS
- 3-4 THE TEXTILE MANUFACTURING INDUSTRY
- 3-5 THE FOOD MANUFACTURING AND PROCESSING INDUSTRY
- 3-6 THE CHEMICAL MANUFACTURING INDUSTRY
- 3-7 THE MANUFACTURE OF SYNTHETIC MATERIALS
- 3-8 THE STORY OF THE PLASTICS MANUFACTURING INDUSTRY
- 3-9 THE PETROLEUM MANUFACTURING INDUSTRY
- 3-10 THE PRINTING AND PUBLISHING INDUSTRY
- 3-12 THE RUBBER MANUFACTURING INDUSTRY
- 3-13 LEATHER MANUFACTURING
- 3-14 THE MANUFACTURING OF GLASS
- 3-15 BRICK MANUFACTURING
- 3-16 CEMENT MANUFACTURING
- 3-17 LUMBER MANUFACTURING
- 4-1 INTRODUCTION TO THE DISTRIBUTION INDUSTRIES
- 4-2 LAND TRANSPORTATION - RAIL, HIGHWAY, AND PIPELINE
- 4-3 WATER TRANSPORTATION
- 4-4 AIR TRANSPORTATION
- 4-6 PREPARATION FOR LAUNCHING A MODEL ROCKET

- 5-1 LAUNDRY SERVICE
- 5-2 DRY CLEANING SERVICE
- 5-3 APPLIANCE AND ELECTRIC MOTOR REPAIR SERVICE
- 5-4 RADIO AND TV REPAIR SERVICE
- 5-5 TOOL AND DIE REPAIR SERVICE
- 5-6 SMALL ENGINE SERVICE
- 5-8 SAFETY REPAIR SERVICE INSTRUCTIONS FOR SMALL ENGINES
- 5-9 SMALL ENGINE CARBURETORS
- 5-10 TROUBLESHOOTING SMALL ENGINES
- 5-12 AUTOMOTIVE AND FARM EQUIPMENT SERVICE
- 5-13 RENTAL SERVICE NEED AND STATUS
- 5-15 PHYSICAL PLANT MAINTENANCE AND SERVICE
- 5-16 CONSTRUCTION SERVICE INDUSTRIES
- 5-17 UTILITY SERVICE INDUSTRIES

JOB SHEETS

- 1-1 MASS PRODUCTION ASSEMBLY
- 2-1 DETERMINING THE AMOUNT OF MOISTURE IN LUMBER
- 2-2 STRENGTH TESTING OF WOOD
- 2-3 NAIL SPLITTING OF WOOD
- 2-4 MAKING WOOD PULP
- 2-5 MAKING PAPER FROM WOOD PULP
- 2-6 CHEMICAL COAGULATING
- 2-7 PRODUCTION OF LEAD FISH SINKERS
- 2-8 OBTAINING AND TESTING SOILS
- 2-11 EXTRACTING SALT FROM WATER
- 3-1 MAKING A ROPE
- 3-2 SYNTHETIC MATERIALS
- 3-3 BROWN PAPER METHOD OF SILK SCREEN PRINTING
- 3-5 ASSEMBLING A LEATHER PRODUCT
- 3-6 WORKING WITH GLASS
- 3-9 MAKING A CONCRETE PLANTER
- 4-1 GRAPHICALLY REPRESENTING THE TRANSPORTATION INDUSTRIES
- 4-4 LAUNCHING A MODEL ROCKET
- 5-2 EXTERNAL CLEANING OF A SMALL ENGINE
- 5-3 SERVICING AN AIR CLEANER OF A SMALL ENGINE
- 5-4 CHANGING OIL IN A SMALL ENGINE
- 5-5 CLEANING SPARK PLUGS OF A SMALL ENGINE
- 5-6 ADJUSTING A SMALL ENGINE CARBURETOR
- 5-7 REMOVING CARBON DEPOSITS ON A SMALL ENGINE
- 5-8 SMALL ENGINE STORAGE
- 5-9 TROUBLESHOOTING A SMALL ENGINE

TEACHER ACTIVITY PLAN SHEETS

- 1-1 MASS PRODUCTION ASSEMBLY
- 1-2 CORPORATION STRUCTURE AND ORGANIZATION
- 2-1 MANUFACTURING PAPER
- 2-2 PRODUCING LEAD FISH SINKERS
- 2-3 EXTRACTING ORE
- 2-4 ORE FLOTATION DEMONSTRATION
- 3-1 SPARK TESTING METAL DEMONSTRATION
- 3-2 MAKING A ROPE
- 3-3 UNDERSTANDING SYNTHETICS - PLASTICS
- 3-4 FORM CONSTRUCTION FOR CONCRETE PLANTER
- 4-1 RELATED ACTIVITIES FOR DISTRIBUTION
- 4-2 A STUDY OF AEROSPACE TECHNOLOGY
- 4-3 MASS PRODUCTION PROJECT (ROCKETRY)
- 4-4 CONSTRUCTING A MODEL ROCKET LAUNCH PAD
- 4-5 DEMONSTRATING MEASURING ENGINE ROCKET THRUST
- 5-1 PHYSICAL PLANT MAINTENANCE FOR A SCHOOL INDUSTRIAL LABORATORY

SECTION III

INSTRUCTIONAL MEDIA OTHER THAN BOOKS

Section II contains a listing of educational media grouped in the following manner:

- Motion Picture Films
- Film Slide Series
- Filmstrips
- Video Tapes
- Charts
- Kits
- Games
- Booklets, Pamphlets, Leaflets, and Manuals

Under the title of each item listed is a brief explanation of the contents where the title does not clearly indicate such. Each item is assigned a number for purposes of identification. This number is placed at the left side of the title of the item. The IM number which designates the source from which the item may be procured is placed to the right of the titled item.

MOTION PICTURE FILMS

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #1	<u>American Industry-Past and Present</u> , #380 BW 13-1/2 min. Free. A short story on the history and development of our American Industries.	IM-1
Film #2	<u>The Welcome Mat</u> , #387 BW 13-1/2 min. Free. Relocating industry. Community acceptance and placing of an industry.	IM-1
Film #3	<u>Getting Started</u> , #414 BW 13-1/2 min. Free. Methods and means of financing a small business.	IM-1
Film #4	<u>Automation - What Is It?</u> BW 13-1/2 min. Free. Better ways of doing things. Ways of relieving and replacing human effort for producing goods faster and of better quality.	IM-1
Film #5	<u>Surviving Crises</u> , #469 BW 13-1/2 min. Free. Problems of industry and how they are solved.	IM-1
Film #6	<u>The Large and Small of It</u> , #476 BW 13-1/2 min. Free. The importance of both the large and small industry in support of our present society.	IM-1
Film #7	<u>Good Place to Work</u> , BW 12-1/2 min. Free. Reviews improvements in factory working conditions and benefits. Examples of testing for better job placement, training, medical services, etc.	IM-1

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #8	<u>Industrial Research-Key to Jobs and Progress</u> , BW 13-1/2 min. Free. Portrays role of research in creating jobs and improving living standards. Kinds of industrial research and its career opportunities.	IM-1
Film #9	<u>Looking at Glass</u> , #397 BW 13-1/2 min. Free. Plate, hand blown and mass produced glass.	IM-1
Film #10	<u>Man-Made Fibers</u> , #488 BW 13-1/2 min. Free. Fibers engineered to fit precisely the specific purposes for which they were intended.	IM-1
Film #11	<u>Fabric Care and Management</u> , #491 BW 13-1/2 min. Free. Professional laundering.	IM-1
Film #12	<u>Cotton Holds Its Own</u> , #407 BW 13-1/2 min. Free. New uses, new methods of cultivation.	IM-1
Film #13	<u>Your Share in Tomorrow</u> , #1051, Free. Role of investors and the New York Stock Exchange. Explains stock transactions, the functions of brokers, and how everyone can share in our America of the future.	IM-2
Film #14	<u>One Hoe for Kalabo</u> , #1410 Free. From U. S. Industrial plant to African village. The story of how machine tools have given dignity and power to human labor.	IM-2
Film #15	<u>The Common Denominator</u> , #2347, Free. The history and use of hand tools down through the ages- from the Stone Age to missiles.	IM-2

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #16	<u>This is Steel</u> , #1810, color Free. Excellent film on the steel industry.	IM-2
Film #17	<u>Forging in Closed Dies</u> , color 33 min. Free. It depicts a typical die room with complete story of cutting and preparations of the die.	IM-2
Film #18	<u>Time of Change</u> , Free. Shows the uses of hardboard.	IM-2
Film #19	<u>Portland Cement</u> , Free. The uses of cement.	IM-2
Film #20	<u>Hull 1679</u> , #2203 (1963) Color 28 min. Illustrates the ship-building industry.	IM-2
Film #21	<u>The Electrical Worker</u> , #1667 29 min. Free. Today everything runs on electricity. A constant supply of new technicians is required to install and service the countless applications of electrical power.	IM-2
Film #22	<u>Science Rides the High Iron</u> , #2010 (1961) Color, 25 min. Free. Presents the practical application of science to America's 255,000 miles of railroad.	IM-2
Film #23	<u>White Wonder</u> , 28 min. Free. Traces origin of salt, depicts modern uses.	IM-2
Film #24	<u>Impact</u> , 25 min. Color. Free. A story of natural gas and how it is utilized for industrial purposes to produce other goods and services.	IM-2

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #25	<u>Papermaking, #1620, 20 min.</u> \$3.25. Processes involved in converting trees from forests into paper.	IM-3
Film #26	<u>Fish-Catching, Filletting and Packaging, #3210, 15 min.</u> \$.85 Visualizes the process of commercial ocean fishing and the handling of the fish up to the purchase by the consumer.	IM-3
Film #27	<u>Postal Service (Your), #1728, 18 min., \$2.25.</u> Complete look at the world's biggest retail business and methods of handling mail.	IM-3
Film #28	<u>Trucking, #2281. 9 min. \$2.00.</u> The many kinds of hauling.	IM-3
Film #29	<u>Truck Driver, #4528. 16 min. \$3.25.</u> Long distant truck driver, truck terminals and how they operate.	IM-3
Film #30	<u>Story of the St. Lawrence Seaway, #4855, Color, 13 min. \$5.00.</u> History, importance and operation of transportation systems.	IM-3
Film #31	<u>How Scientists Study the Soil, #5462, Color, 22 min., \$1.00.</u> Points out the important part soil plays in the production of all agricultural crops.	IM-3
Film #32	<u>Lead From Mine to Metal, #2495. Color. 24 min. \$1.75.</u> Shows modern methods of locating lead deposits and the use of up-to-date machinery in mining, transporting, and extracting lead.	IM-3

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #33	<u>Up From Clay</u> , 25-1/2 min. Free. Dramatizes the scope of modern automobile body-building operations; interesting and informative story of how a new model car comes into being.	IM-4
Film #34	<u>The ABC's of Hand Tools</u> , Color. 33 min. Free. Animated by Walt Disney; shows how hand tools should be used to get best results.	IM-4
Film #35	<u>The Strongest Link</u> , 26 min. Free. A broad view of the trucking system that knits our economy.	IM-4
Film #36	<u>The ABC of Internal Combustion</u> , Color. 13 min. Free. An animated motion picture explaining the basic principles of the internal combustion engine.	IM-4
Film #37	<u>Oil Film in Action</u> , Color. 13 min. Free. A technical film prepared for practicing engineers, designers, and students to show how oil films behave in bearings.	IM-4
Film #38	<u>ABC of Diesel Engines</u> , Color. 18 min. Free. Diesel engine principles are explained in this newly up-dated animated film.	IM-4
Film #39	<u>From Trees to Lumber</u> , #NS 3580 14 min. \$.75. Follows the manufacture of lumber from seedling to logs and through the mill.	IM-5

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #40	<u>Faces of the Land</u> , Color 28 min. Free. This institutional film places stress on the positive benefits mankind receives through his ability to reshape the land, uncover ores, control rivers, build lakes, and smooth out terrain for fast travel.	IM-6
Film #41	<u>The Algoma Story</u> , Free. Shows the manufacture of architectural grade plywood and the use of such in building construction.	IM-117
Film #42	<u>An American Sawmill</u> , Color. 26 min. Free. Tour of a modern sawmill showing all of the processes involved in turning a tree into lumber.	IM-8
Film #43	<u>Birth of An Oil Field</u> , 28 min. Color. Free. How an oil well is drilled and how crude oil is started on its way to the refinery from under the ground.	IM-9
Film #44	<u>The Electrician</u> , BW, 11 min. \$2.15. Discusses jobs in electrical work. Explains the need for workers in wiring buildings and homes and in servicing motors and household appliances and the place of the electrician in communications and radio.	IM-10
Film #45	<u>Pipeline in the Rockies (1962)</u> , 24 min. Free. The construction of a pipeline.	IM-11
Film #46	<u>Rubber From Malaya</u> , 13 min. Latex to manufactured sheet. (Book 3 months in advance.)	IM-12

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #47	<u>This Way Up</u> , 26 min. Free. Flying a drilling rig and equipment into the jungles.	IM-13
Film #48	<u>Say It With Service</u> , Color. 15 min. Free. Demonstrates what customers want in auto service.	IM-14
Film #49	<u>Safety at Work</u> , Shows that sound safety programs can reduce the number of indus- trial deaths and accidents.	IM-15
Film #50	<u>A Product of Imagination</u> , Color. 28 min. Extraction of aluminum from raw materials to the fin- ished product. Illustrates the many uses of aluminum.	IM-16
Film #51	<u>Houses Have Four Sides</u> , Color. 30 min. Free. Shows installa- tion of aluminum siding, beauty, durability, and economy of sid- ing.	IM-16
Film #52	<u>Timber of Our Times</u> , 25 min. Free.	IM-17
Film #53	<u>Faces and Figures</u> , 28 min. Story of hardwood plywood from the forest to everyday uses.	IM-18
Film #54	<u>Journey of a Tree</u> , 26 min. 16mm B & W (1952) How furniture is manufactured in the Ethan Allen Plant in Beecher Falls, Vermont.	IM-19
Film #55	<u>Steel Wire for Industry</u> , Color. 24 min. Shows scenes from a steel mill, followed by scenes of the drawing of wire for many industrial purposes, from wire for steel bridges to wires used in fly swatters.	IM-20

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #56	<u>This is Aluminum</u> , 29 min. B&W. Describes in detail the various processes by which bauxite, the ore of aluminum, is transformed into finished aluminum products.	IM-21
Film #57	<u>A Stretch of the Imagination</u> , 27 min. America's search for rubber substitute and story of natural rubber to discovery of vulcanization. (order 2 weeks in advance)	IM-21
Film #58	<u>Zinc Mines and Mining</u> . Free.	IM-21
Film #59	<u>People and Movement</u> (1961), 17 min. Free. Shows the benefits and pleasures the national system of interstate highways are bringing to the people of this country.	IM-22
Film #60	<u>Industrial Arts - A Safe Shop</u> , 12 min. B&W. LS 94. Describes the many safety rules applicable to the industrial arts shop.	IM-23
Film #61	<u>The Fabulous Decade</u> , Color. Free. 22-1/2 min. Concerns water transportation.	IM-24
Film #62	<u>Salmon - Catch to Can</u> , 14 min. Color. Free. Salmon fishing and packaging.	IM-25
Film #63	<u>The American Road</u> , 38 min. Free. History of roads and transportation.	IM-26
Film #64	<u>The Carpenter</u>	IM-27

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #65	<u>At Your Service</u> , (1963) Color 13-1/2 min. Free. Illustrates how rental service is utilized in industries, hospitals, restaurants, hotels, food marts, and other businesses.	IM-28
Film #66	<u>Meaning of the Industrial Revolution</u> , Color. \$3.40. BW \$2.15. 25 min.	IM-10
Film #67	<u>The Garrison Story</u> . Color. 20 min. Free. A description of the various phases of constructing the Garrison Dam in North Dakota.	IM-7
Film #68	<u>Refinery at Work</u> , Follows the chemical and mechanical process for refining petroleum.	IM-106
Film #69	<u>The Shape Plastics</u> , Describes the role of the research chemist and the production of plastics in some of the world's most modern laboratories.	IM-80
Film #70	<u>Plastics, Industrial Processes and Products</u> , Typical consumer plastics products are shown being manufactured.	IM-80
Film #71	<u>Making Books</u> , #1330. 10 min. \$2.00. Story of book manufacturing from author's manuscript to the finished bound book.	IM-3
Film #72	<u>Printing Through the Ages</u> , Traces the story of printing from ancient times to latest methods.	IM-3

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #73	<u>The Art of Spark Testing</u> , 16 mm, 5 d. color, Basic principles of the art of spark testing metals. Spark patterns of different steels are shown.	IM-107
Film #74	<u>Distributing American Goods</u> , #0575, 10 min. \$2.00. Producer, wholesalers, retailers and transportation.	IM-3
Film #75	<u>Trade and Transportation</u> , #4559, 16 min. \$4.50. Development of trade and transportation, history and present.	IM-3
Film #76	<u>Freighter at Sea</u> , #0778- 17 min. \$2.75. Planning, preparation, and operation of a freighter at sea.	IM-3
Film #77	<u>Great Lakes: Highway of Commerce</u> #0871. Color. 22 min. \$6.00 Vital role for transporting pulp, grain, coal, limestone and iron ore.	IM-3
Film #78	<u>Oil, The Invisible Traveler</u> (1952) 19 min. Free. Transportation of petroleum products.	IM-9
Film #79	<u>Power in the Yard</u> , #405, BW, 13-1/2 min. Free.	IM-1
Film #80	<u>Guided Maintenance - with MADRECK</u> (1964). Color. 6-1/2 min. Free. Using the Navy's F48 Phantom II interceptor as a case in point. The film shows how the MADRECK System can assure complete operational readiness. (Book 4 weeks in advance.)	IM-111

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Film #81	<u>Specific Properties of Stainless Steel</u> , (Republic) 16 mm sd. Color. Discussion of the specific properties of stainless steel and gives strength requirements of it.	IM-36
Film #82	<u>The 707 Astrojet</u> , 16 mm. Color. 13 min. Free. How the 707 Astrojet was made and how it works.	IM-115
Film #83	<u>Supermarket for Industry</u> , The role which industrial distribution plays in keeping the flow of production supplies available on a moment's notice.	IM-1
Film #84	<u>Your Voice and the Telephone</u> Animated film illustrating how sound waves are generated over a phone, how the phone operates and how to use the telephone.	IM-116

FILM SLIDE SERIES

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Series #1	<u>Industrial-Economic Cycle</u> 36 frames. Color. 35 mm. Describes how the need for a product is met through the four basic types of industries and how these industries work together in a never-ending process to provide goods and services to the public and other industries.	IM-29
Series #2	<u>Activities of Industry,</u> Describes and explains the six basic activities which are found to be common to nearly all types of industries. The six activities include: Product development, purchasing, manufacturing activity, industrial relations internal finance and office service, and marketing.	IM-29
Series #3	<u>Raw Materials - Metal Extraction,</u> The series describes the extraction of lead and zinc, and also presents significant similarities and relationships between this process of mining and that of mining other metals.	IM-29
Series #4	<u>Tire Manufacturing.</u> The content utilizes the tire manufacturing industry to represent a typical manufacturing industry from the receiving of the raw materials to the shipment of the product upon completion.	IM-29

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Series #6	<u>Saw Mill Operations.</u> Illustrates actual small saw mill operations of preparing and cutting logs and manufacturing lumber from them.	IM-29
Series #7	<u>The Processing of Peas.</u> Illustrates the harvesting, cleaning, packing, and shipment of peas.	IM-29
Series #8	<u>Check-Up, Set #2.</u> Colored. 27 slides. \$2.70. Shows proper methods of checking compression, carburetor and ignition. How to make proper magneto and carburetor adjustments, etc.	IM-31
Series #9	<u>Start, Stop and Store, Set #7</u> Colored. 28 slides. \$2.80. Instructs engine owner on type of oil and gasoline to use in Briggs and Stratton engines. How to start, stop, maintain and store during off season.	IM-31
Series #10	<u>Casting a Metal Project in a School Shop.</u> Gerald Munyon illustrates the preparation of the sand and mold, the pouring and the metal in the mold.	IM-112

FILMSTRIPS

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Filmstrip #1	<u>Fishermen at Nova Scotia</u> FS639.22 F53 (1958) 40 frames. Color. Free loan. Shows the work involved in catching fish for a living.	IM-30
Filmstrip #2	<u>Discovering Fishes</u> FS639.37 D611 (1964) 52 frames. Free loan. Describes methods of locating and catching fish.	IM-30
Filmstrip #3	<u>Textiles for Everyone with</u> record and script. Free loan or purchase.	IM-32
Filmstrip #4	<u>New England Fishermen</u> FS639.22 N44 (1951) 79 frames. BW. Free loan. Contrasts the schooner method of fishing with that of a Diesel trawler.	IM-30
Filmstrip #5	<u>Maine Sardines</u> FS639.27 M28 (undated) 45 frames. Color. Free loan. Depicts the catching of and proces- sing of Maine sardines.	IM-30
Filmstrip #6	<u>Shell Fishing</u> FS639.4 S1 (1951) 61 frames. BW. Free loan. Depicts the catching, canning, packing and mar- keting of shell fish.	IM-30
Filmstrip #7	<u>The Story of Wisconsin Paper</u> Color. Teacher's Guide fur- nished.	IM-105

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Filmstrip #8	Natural Gas. Illustrates the extraction, distribution and use of natural gas and the importance it holds for man.	IM-11
Filmstrip #9	Rocket Power for Space Travel, Color. 40 frames. \$5.75. Explains how a rocket works in space, multistage rockets, rocket aircraft, why satellites and space stations orbit the earth and some problems of space travel.	IM-113

VIDEO TAPES

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Video Tape #1	<u>Automated Transfer Line #100.</u> Illustrates the utilization of automated machinery to machine a farm tractor engine block.	IM-29
Video Tape #2	<u>Tracer Lathe Operation #110.</u> Demonstrates the use and operating principles of tracer lathes in industrial machining work.	IM-29
Video Tape #3	<u>Single Station Assembly #150.</u> Illustrates the assembly of an entire product at one work station by a single operator.	IM-29
Video Tape #4	<u>Assembly Line Assembly #151.</u> Illustrates the assembly of a portable fluorescent lantern product utilizing several work stations as the product moves from the initial stages to its completion.	IM-29

CHARTS

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Chart #1	<u>This is the Industrial Revolution</u> 1959 22"x34" \$.50 Graphically depicts the industrial revolution.	IM-33
Chart #2	<u>Tools That Created Civilization</u> 35-1/2"x16-7/8" \$.25 Depicts the historical development of the various hand and machine tools.	IM-33
Chart #3	<u>Productivity Creates All Economic Growth</u> 1961 \$1.00 44"x22" Illustrates and describes the history, development, and factors involved in productivity and its relationship to economic growth.	IM-33
Chart #4	<u>How Steel is Made</u> 35"x45" Free. Illustrates the flow of the steelmaking process from raw materials to finished products. Grades 5 through 12.	IM-34
Chart #5	<u>America's Products and the Trucks that Carry Them</u>	IM-43
Chart #6	<u>The Inland Waterways of the U. S.</u>	IM-44
Chart #7	<u>Transportation Since 1775</u>	IM-44
Chart #8	<u>The Story of Flight and Air Transportation</u>	IM-45
Chart #9	<u>Natural Rubber - A Product of Nature Plus Science</u>	IM-51

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Chart #10	<u>How an Automobile is Made</u>	IM-26
Chart #11	Set of 15 charts on <u>Steel Making</u>	IM-36
Chart #12	<u>Natural Gas From the Well to Your Burner</u>	IM-11
Chart #13	<u>History of Land Transportation</u>	IM-109

KITS

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Kit #1	<u>How Steel is Made</u> Includes samples of metal and film-strip.	IM-34
Kit #2	<u>Making Your Own Paper</u> A kit for making paper that includes pulp, screen, felt, frame, roller, and directions. NOT AVAILABLE IN QUANTITY.	IM-35
Kit #3	<u>Preparing Your Own Cellulose Pulp</u> Wood chips and directions for making pulp. NOT AVAILABLE IN QUANTITY.	IM-35
Kit #4	<u>Papermaking Sample Kit</u> Contains samples of the step by step procedure for making paper as well as a written explanation. NOT AVAILABLE IN QUANTITY.	IM-35
Kit #5	<u>Textiles Kit.</u>	IM-32
Kit #6	<u>Set of 8 Filmstrips with Script Booklets</u> FS5 - "Raw Materials of Steelmaking" FS6 - "The Chemistry of Iron" FS7 - "The Chemistry of Steel" FS8 - "The Cradle of American Industry" FS9 - "Competition and Research" FS10 - "Money at Work" FS11 - "Science Technology and Society" FS12 - "Community Resources Workshops for Teachers"	IM-36

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Kit #7	<u>Gas Serves Your Community</u>	IM-11
Kit #8	<u>Petroleum</u>	IM-37
Kit #9	<u>A Portfolio On Paper</u>	IM-38
Kit #10	<u>Materials on Chemistry Book-lets</u> Education publications available from the chemical industry. Film guide on chemicals, chemistry and the chemical industry.	IM-42
Kit #11	<u>The Search and The Prize</u> Filmstrip with record and script Scientific inquiry-(research in industry) Ford Motor Co.	IM-26
Kit #12	Materials containing an (air-line) industry directory of publications and careers with airlines.	IM-56
Kit #13	Materials covering manufacturing and research in Chemistry. Careers, film guide list and educational publications list of materials available from the chemistry industry.	IM-42
Kit #14	<u>Communications and Telephone Program</u> -- contains materials for all grade levels, wall charts, teacher's guide to use of these materials (Bell System Aid to Education series)	IM-58
Kit #15	<u>The Coatings Industry</u> , contains materials on paint, varnishes, and lacquers manufacture and use. Lists of industry films and occupational opportunities.	IM-60

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Kit #16	<u>Milk Industry Foundation</u>	IM-63
Kit #17	<u>Corn Industries.</u> Material describing hundreds of products manufactured from corn. Includes booklet, charts and pamphlets on the technology of refining by-products of corn.	
Kit #18	Story of processing and utilization of meats.	IM-68
Kit #19	Manufacturing <u>Soft Drinks</u>	IM-66
Kit #20	Consumer knowledge of <u>Canned Goods</u>	IM-69
Kit #21	<u>Salt</u> , its extractions, processing and uses	IM-70
Kit #22	<u>Rice</u> production.	IM-71
Kit #23	<u>Wheat Flour</u> , its production.	IM-72
Kit #24	The story of the manufacturing and uses of (hardboard) the "engineered wood".	IM-74
Kit #25	What it takes to (manufacture an automobile), charts, pamphlets and facts for study on transportation by truck and auto.	IM-43
Kit #26	<u>Making Iron and Steel</u> - Picture set.	IM-77
Kit #27	Hardwood (plywood) manufacturing. Technical data, uses and film lists.	IM-18

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Kit #28	Trade publications of the (plastics) industry. The story of plastics manufacturing and the need for plastics education.	IM-80
Kit #29	<u>Model Rocketry</u> kit. Educational aid to aerospace understanding.	IM-81
Kit #30	How (Leather) is tanned - A display.	IM-41
Kit #31	Kit containing approximately 40 items - charts, brochures, pamphlets, leaflets on (careers, manufacturing of automobile, corporation structure and etc.) Ford Motor Company.	IM-26
Kit #32	Materials on: Use of the (Lathe) and charts.	IM-83
Kit #33	Materials concerning (inland waterways) of the U. S.	IM-84
Kit #34	<u>Machine Tools</u> , their use, manufacture, training steps and list of motion pictures available.	IM-89
Kit #35	Instructional materials-- Booklets and articles on (Papermaking) in Wisconsin.	IM-35
Kit #36	Many materials dealing with technical data on (forestry), processing and testing (wood) and careers. Forestry Products, Madison, Wisconsin.	IM-94
Kit #37	<u>Portland Cement</u> - booklets, charts, facts and technical data on cement and concrete construction.	IM-95

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Kit #38	<u>Small Engines</u> - contains many booklets, diagrams, charts, manuals on small internal combustion engines.	IM-96
Kit #39	Selected materials on paper-making from various industries, forestry service and Wisconsin (papermaking) industries.	IM-38
Kit #40	Materials on manufacturing of (Paper).	IM-97
Kit #41	Booklets on the (baking) industry.	IM-99
Kit #42	Soil Test Kit \$7.95 each	IM-104
Kit #43	Automobile Engine. A clear plastic model with movable parts operating with batteries. Illustrates the functions of the various parts of the internal combustion gasoline engine. Approx. \$13.00 plus postage.	IM-110

GAMES

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Game #1	<u>Stock Market Game</u> , #4821 1963 2-8 players. About \$4.00. A game illustrating the nature of the stock market and the relationship to industry.	IM-48
Game #2	<u>Venture</u> A business simula- tion exercise developed by Procter and Gamble to assist persons in developing a prac- tical understanding of business operations.	IM-118

BOOKLETS, PAMPHLETS, LEAFLETS AND MANUALS

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Booklet #1	<u>Technological Trends in Major American Industries</u> \$1.50 each	IM-39
Booklet #2	<u>1967 Business Trends and Progress</u>	IM-26
Booklet #3	<u>Evolution of Mass Produc- tion</u>	IM-26
Booklet #4	<u>Copper-the Oldest and New- est Metal</u>	IM-40
Booklet #5	<u>The History of Ice Cream</u>	IM-100
Booklet #6	<u>Leather Facts</u> \$.40 each	IM-41
Booklet #7	<u>Pipelines, How Trucks Serve America</u>	IM-43
Booklet #8	<u>Facts About Oil Handbook</u>	IM-44
Booklet #9	<u>The Human Side of Railroads</u>	IM-45
Booklet #10	<u>Railroads Deliver the Goods</u>	IM-45
Booklet #11	<u>Trucks and Things You Want to Know About Them</u>	IM-46
Booklet #12	<u>Wheels for America's Progress</u>	IM-46
Booklet #13	<u>Pictures of Ocean Going Vessels</u>	IM-47
Booklet #14	<u>The Automobile Engine</u> 7 manuals 9D-1 through 9D-7	IM-26
Booklet #15	<u>Rubber (with teacher's manual)</u>	IM-49

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Booklet #16	<u>Rubber</u>	IM-50
Booklet #17	<u>Natural Rubber - How Nature Plus Science Serve Mankind</u>	IM-51
Booklet #18	<u>Wonder Book of Rubber</u>	IM-52
Booklet #19	<u>Leather Facts</u> A pictur- esque account of one of natures miracles. \$.40 each in quantity.	IM-53
Booklet #20	<u>Space Primer</u> Explains terms used in space work.	IM-55
Booklet #21	<u>Uses of Aluminum</u> History, manufacturing and uses of aluminum production.	IM-57
Booklet #22	<u>Power and Progress</u> Electrical power, its pro- duction, transmission and uses. Future in the elec- trical power industry.	IM-59
Pamphlet #23	<u>Publications and Materials produced by United Fresh Fruit and Vegetable Assn.</u>	IM-61
Booklet #24	<u>The Story of Granite</u>	IM-73
Booklet #25	<u>Leather in Our Lives</u> The story of leather	IM-41
Catalog #26	<u>Models</u> catalog - slot car, cars, aircraft and other models - price lists and illustrations.	IM-76
Booklet #27	<u>Laboratory Experiments in the Chemistry of Steel</u>	IM-77
Booklet #28	<u>Class Report - Coal</u>	IM-78

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Catalog #29	<u>Plastics Materials catalog</u>	IM-79
Booklet #30	<u>Careers in Statistics</u> 2nd Edition	IM-82
Booklet #31	<u>Proposal for an Eye Protection Program - Safety</u>	IM-85
Booklet #32	<u>The Apparel Industry Offers You a Career Opportunity.</u> Servicing sewing machines	IM-87
Booklet #33	<u>Cotton Educational Aids</u>	IM-88
Booklet #34	<u>The Story of Cotton</u>	IM-88
Booklet #35	<u>How Machine Tools Make America Great</u>	IM-90
Booklet #36	<u>Diston Saw, Tool and File Manual</u> - How to choose, use and care for tools \$.25	IM-91
Booklet #37	<u>Lifelines</u> - How trucks serve America	IM-43
Booklet #38	<u>Lumber and Wood Products Literature</u> List of instruction aids.	IM-92
Booklet #39	<u>10 Most Frequently Asked Questions About Fine Cabinet Woods</u>	IM-93
Booklet #40	<u>Selected Publications of the Aluminum Association</u>	IM-97
Booklet #41	<u>Reference and Audio Visual Materials on Iron and Steel</u> a teacher guide	IM-36
Booklet #42	<u>Machines & Work</u> - for middle grades. 20 transparencies and 20 spirit duplicating pages	IM-98

<u>NUMBER</u>	<u>TITLE</u>	<u>IM SOURCE</u>
Booklet #43	<u>Magnetism & Electricity</u> for middle grades - 20 transparencies and 20 spirit duplicating pages	IM-98
Booklet #44	<u>The Story of Pulp & Paper</u>	IM-101
Booklet #45	<u>Water, Water Everywhere</u> Nature and need of water, water cycle, shortage, and water research.	IM-102
Booklet #46	<u>Manufacturing in the School</u> <u>Shop - Hams and Schaffer</u> (authors) Outline the neces- sary steps which the teacher and student may take to manu- facture a product in an industrial arts laboratory.	IM-103
Booklet #47	<u>The Story of the Plastics</u> <u>Industry</u> Basic information about the history and growth of plastics and the processes and methods of fabricating such.	IM-80
Booklet #48	<u>The Air Express Story</u>	IM-108
Booklet #49	<u>General Theories of Operation</u>	IM-31
Booklet #50	<u>Repair Instructions II.</u>	IM-31
Booklet #51	<u>Power Primer</u>	IM-4
Booklet #52	<u>Truck Drivers Dictionary</u> <u>and Glossary</u>	IM-46
Booklet #53	<u>Economics Unit Outline</u> (Trucking)	IM-46
Pamphlet #54	<u>How You Can Make Paper</u>	IM-97

Section IV

BIBLIOGRAPHY

The following contains an alphabetical list by author of books which support Development and Structure of Industry - the first phase of INDUSTRIOLOGY. This bibliography is subject to change and therefore is not considered to be a complete or final list of sources for content and study.

Akens, David S. A Picture History: Rockets and Rocketry. Huntsville, Alabama: Stode, 1964

American Management Association. General Management Division. The Dynamics of Management. Report # 14. New York: American Management Association, Inc., 1958.

A Study of Industry - Industriology. Platteville, Wisconsin. College of Industry, Wisconsin State University - Platteville, 1969.

Atteberry, Pat. Power Mechanics. Chicago: Goodheart Willcox Co., 1961.

Barnes, Harry Elmer. An Economic History of American Industries. New York: Harcourt, Brace, and Co., 1937.

Bethel, Lawrence L., and others. Industrial Organization and Management. New York: McGraw-Hill Book Co., 1962.

Bittel, Lester R. Management by Exception. New York: McGraw-Hill Book Co., 1964.

Boyd, T. Gardner. Metalworking. Homewood, Illinois: Goodheart-Willcox Company, Inc., 1964.

California State College at Long Beach. Model Spacecraft Construction. Washington, D. C.: U.S. Government Printing Office, 1966.

Canby, Courtlandt. A History of Flight. New York: Hawthorne Books, Inc., 1963.

- Canby, Courtlandt. A History of Ships and Seafaring. New York: Hawthorne Books, Inc., 1963.
- Cole, Harold H. ed. Introduction to Livestock Production. San Francisco: W.H. Freeman & Co., 1962.
- Cooke, Donald E. Marvels of American Industry. Maplewood, New Jersey: C. S. Hammond & Co., 1962.
- Coombs, Charles I. High Timber: The Story of American Forestry. Cleveland: The World Publishing Co., 1960.
- Delorit, Richard J., and Ahlgren, Henry L. Crop Production. Englewood Cliffs, New Jersey: Prentice Hall Inc., 1959.
- Division of Curriculum Instruction. Secondary Department. Power and Transportation and Automotive Engine Tune Up. Milwaukee: Milwaukee Public Schools, 1966.
- Douglass, J. H., Penny, Forrest L., and Roberts, R. H. Units in Woodworking. Wichita, Kansas: McCormick-Mathers Publishing Co., 1967.
- Dual Distribution. #820. New York: National Association of Manufacturers, 1961.
- Duffy, Joseph W. Power-Prime Mover of Technology. Bloomington, Illinois: McKnight & McKnight Publishing Co., n.d.
- The Evolution of Mass Production. Dearborn: Ford Motor Company, 1956.
- Feirer, John L. General Metal. New York: Mc Graw-Hill Book Co., 1959.
- Fenton, Carroll L., and Fenton, Mildred. Riches From the Earth. New York: J. Day Co., 1953.
- Fraser, Roland R., and Bedell, Earl L. General Metal. Englewood Cliffs, New Jersey: Prentice-Hall Inc., 1962.

- Fryklund, Verne, and LaBerge, Armand. General Shop Bench Woodworking. Bloomington, Illinois: McKnight & McKnight, 1955.
- Gatland, Kenneth W. ed. Spaceflights Today. Fallbrook, California: Aero Publ., 1963.
- General Theories of Operation. Milwaukee: Briggs and Stratton Corporation.
- Gerbracht, Carl, and Robinson, Frank E. Understanding American Industries. Bloomington, Illinois: McKnight & McKnight Publishing Co., 1962.
- Gilbert, Harold. Children Study American Industry. Dubuque: Wm. C. Brown Publishers, 1966.
- Glenn, Harold T. Exploring Power Mechanics. Peoria, Illinois: Chas. A. Bennett Co., 1962.
- Glover, John G., and Lagai, Rudolph. The Development of American Industries. New York: Simmons-Boardman Publishing Co., 1959.
- Goodrich, Carter, and others. Canals and American Economic Development. New York: Columbia University Press, 1961.
- Graham, Evelyn M. ed. Rubber. Akron, Ohio: Public Relations Dept., Firestone Tire and Rubber Co., 1963.
- Groneman, Chris, and Glazener, Evertt. Technical Woodworking. New York: McGraw-Hill Book Co., 1966.
- Guest, Stephen, and others. eds. A World Geography of Forest Resources. New York: The Ronald Press Co., 1956.
- Hall, Issac, and Mortenson, W. P. The Farm Management Handbook. Danville, Illinois: Interstate Printers and Publishers, Inc., 1963.
- Hammond, James, and others. Woodworking Technology. Bloomington, Illinois: McKnight & McKnight Publishing Co., 1966.

- Hendrickson, Walter B. Jr. The Study of Rockets, Missiles and Space Made Simple. New York: Doubleday, 1963.
- Koontz, Harold, and O'Donnell, Cyril. Principles of Management. New York: McGraw-Hill Book Co., 1964.
- Ladoo, Raymond B., and Meyers, W. M. Nonmetallic Minerals. New York: McGraw-Hill Book Co., Inc., 1951.
- Laird, Donald A. How To Get Along With Automation. New York: McGraw-Hill Book Co., Inc., 1964.
- Lamey, Carl A. Metallic and Industrial Mineral Deposits. New York: McGraw-Hill Book Co., Inc., 1964.
- Lindberg, Roy A. Processes and Materials of Manufacture. Boston: Atlyn and Bacon, Inc., 1964.
- Ludwig, Oswald A. Metalwork, Technology and Practice. Bloomington, Ill.: McKnight & McKnight Publishing Co., 1962.
- Marcus, Abraham. Radio. Englewood Cliffs, New Jersey: Prentice-Hall, 1960.
- Marketing Under Attack. New York: National Association of Manufacturers, 1962.
- Meeting the New Attack on Today's Distribution. New York: National Association of Manufacturers, 1960.
- Mersereau, Samuel F. Materials of Industry. New York: McGraw-Hill Book Co., 1947.
- Moffat, Samuel, and Shneour, Elie A. Life Beyond the Earth. New York: Four Winds, 1965.
- Morgan, Robert. World Sea Fisheries. London: Methuen, 1956.
- Parks, Robert A. and Magness, Thomas. Interplanetary Navigation. New York: Holt, Rinehart, and Winston, 1964.

- "Pipelines", Encyclopedia Americana, 1964, Vol. XX.
- Purvis, Judson. All About Small Gas Engines. Chicago: Goodheart-Willcox, 1963.
- Repair Instruction II, No. MS-4750. Milwaukee: Briggs and Stratton Corporation.
- Richards, Robert, and Locke, Charles. Textbook of Ore Dressing. New York: McGraw-Hill Book Co., 1940.
- Roscoe, Edwin S. Organization For Production. Homewood, Ill.: R. D. Irwin Co., 1959.
- Scheer, Arnold H., and Juergenson, Elwood M. Approved Practices in Fruit Production. Danville, Ill.: Interstate Printers and Publishers, Inc., 1964.
- Scobey, Mary-Margaret. Teaching Children About Technology. Bloomington, Illinois: McKnight & McKnight Publishing Co., 1968.
- Schuler, S. "You Can Cut Your Upkeep Costs," Nation's Business (May, 1964) 94-96.
- Smith, Lavon, and Maddox, Marion. Elements of American Industry. Bloomington, Illinois: McKnight & McKnight Publishing Co., 1956.
- Stallings, J. H. Soil Use and Improvement. Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1957.
- Taff, Charles A. Commercial Motor Transportation. Homewood, Illinois: R. D. Irwin Co., 1961.
- Tieman, Harry Donald. Wood Technology. New York: Pitman Publishing Corporation, 1951.
- Tunis, Edwin. Wheels. Cleveland: The World Publishing Co., 1955.
- United States Bureau of Labor Statistics. Occupational Outlook Handbook. 1968-69 edition. Washington, D. C.: U. S. Government Printing Office, 1968.

- United States Department of Agriculture. Wood Handbook. Ag. Handbook No. 7. Superintendent of Documents. Washington, D.C.: U.S. Government Printing Office, 1955.
- United States Department of Agriculture. The Yearbook of Agriculture. Washington D.C.: U.S. Government Printing Office, 1968.
- United States Department of Labor. Technological Trends in Major American Industries. Bulletin No. 1474. Washington, D. C.: U. S. Government Printing Office, 1966.
- United States Employment Service. Dictionary of Occupational Titles. Washington, D. C.: U.S. Government Printing Office, 1968.
- "The Unknown Half of the Economy, Service Industries," Business World (September 21, 1957) 190-192.
- Vance, Stanley. Industrial Structure and Policy. Englewood Cliffs, N. J.: Prentice-Hall, Inc., 1961.
- Voskql, Walter Henry. Minerals in World History. New York: McGraw-Hill Book Co., 1958.
- Wackerman, Albert E., and others. Harvesting Timber Crops. New York: McGraw-Hill Book Co., 1966.
- Walker, John R. Modern Metalworking. Homewood, Ill.: Goodheart-Willcox Company, 1965.
- Walsh, L.M. and Beatty, M. T. Profitable Management of Wisconsin Soils. Madison: College Printing and Typing Co., Inc., 1965.
- Willy, Kay. Rockets, Missiles, and Space Travel. New York: The Viking Press, 1966.
- Wolfe, Thomas K., and Kipps, M.S. Production of Field Crops. New York: McGraw-Hill Book Co., 1959.